EPA Reg. # 87469-1

Material Sent for Data Extraction

Reg. # 87469-1

Description: new registration

☐ Material(s) Sent to Data Extraction Contractors:

- ☑ New Stamped Label Dated 4/26/12
- ☐ Notification Dated _____
- ☐ New CSF(s) Dated _____
- ☐ Other: _____

☐ Decision #: 449135

☐ Other Action/Comments: _____

_____

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Jaclyn Carl

Phone: _____ Division: AD

Date: 5/2/12

TASK ASSIGNMENT FORM

Antimicrobial Division/Regulatory Management Branches I/II

A	Completed by Product Manager

PRODUCT REVIEWER: Jaclyn Carl	**RMB I I TEAM 34**
Description of Action: PRIA Amendment	**EPA File Symbol/Reg No.: 87469-R**

FQPA Action Code: _	**Non-FQPA Action Code:** _____	**Fee for Service Action Code:** ____A540_____
Decision No. ___449135____	**Submission No.** __896005_____	**Fee for Service Fee: $** _____4631_____

	MONTH	DAY	YEAR
APPLICATION DATE	5	11	2011
EPA PIN DATE	5	16	2011
REVIEWER ASSIGNED DATE	6	6	2011
DATE DUE TO PM			2011
DATE DUE OUT OF AGENCY			2011

Type of Data:	Product Chemistry ☐	Acute Toxicology ☐	Efficacy ☐	Environmental Fate ☐	Ecological Effects ☐	Chronic Toxicology ☐	Exposure ☐

Comments: PRIA (Please present at PRIA Meeting)

Product Chemistry – New End Use Registration: Please review basic CSF and chemistry data in MRID Nos. 8482501 and 8482502

Efficacy – New End Use Registration – Please review Fungicidal data MRID 48482503) to support kill mold and mildew fungi claims.

ATTACHMENTS: __x_ LABELING __x__ CSFs __x___ DATA ____OTHER

B	For Arctic Slope Contract Only

Contractor: Arctic Slope	**Contract No.:**	**TOPO/Alt. TOPO:**
Draft Task: Signature _____ ____ (Est. hrs)	**Final Task: Signature** _____ _____ (Total hrs)	

C	Reviewers Comments:
Response Code:	**Response Date:**

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg. Number:	Date of Issuance:
87469-1	APR 28 2011

Term of Issuance:
Unconditional

Name of Pesticide Product:
Mold Proofer® Paint

NOTICE OF PESTICIDE:
x Registration
___ Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Betterbilt Chemical
3137 East 26th Street
Vernon, VA 90058

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product (OPP Decision No. D-449135) is unconditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA section 4.

2. Make the following labeling changes listed below before you release the product for shipment:

Signature of Approving Official:

Jacqueline Campbell-McFarlane
Product Manager Team-34
Regulatory Management Branch II
Antimicrobials Division (7510P)

Date: APR 28 2011

EPA Form 8570-6

a. Revise the "EPA Reg. No. 87469-R" to read "EPA Reg. No. 87469-1."
b. Delete the first paragraph listing the sheens and colors on the second page because this is not supported by the efficacy data.
c. Remove the term "recommended" in the first sentence of the paragraph before the Directions for Use.
d. Remove the claim, "Kills all existing surface microbiological life" under the heading "Mold, Mildew, Fungi, Moss and Odor Causing Bacteria Control." This is not supported by the efficacy data.
e. Remove the claims "leading-edge adhesion and high-hide properties" for it implies heightened efficacy.
f. Remove directions and use sites listed in/on HVAC systems, RV's, campers, boats, semi-trailers, automotives, and outdoor furniture.
g. Delete the following porous surfaces listed in the third paragraph on the 2nd page before the Directions for Use: wood, dimensioned lumber, sheetrock, wallboard, drywall, shingle, clay, plaster, concrete, masonry, stone, brick, plastics, stucco, and inside wall cavities.
h. Qualify tile and ceramics as hard, nonporous surfaces by stating "glazed tiles" and "glazed ceramics." Also qualify fiberglass and marble as "sealed."

i. Add the following Pesticide Disposal heading and statements to follow immediately after Pesticide Storage in the Storage and Disposal:

"Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance."

j. Revise the heading "Container Disposal" to read "Container Handling."

k. Revise the first paragraph of the Precautionary Statements to read:

"DANGER: Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear protective goggles or face shield. Harmful if swallowed, absorbed through the skin or inhaled. Avoid breathing spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothes before reuse. When applying with a sprayer, wear a dust/mist filtering respirator (MSHA/NIOSH approved number prefix TC-21C) or a NIOSH approved respirator with any R,P,N, or HE filter."

l. Revise the heading "User Safety Recommendations" to read "User Safety Requirements." Also in this section, delete the term "should" in almost every sentence and state "must."

Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

A stamped copy of the label is enclosed for your records.

If these conditions are not complied with, this registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Should you have any questions or comments concerning this letter, you may contact me by telephone at (703) 308-6416 or by e-mail at campbell-mcfarlane.jacqueline@epa.gov or Jaclyn Carl by telephone at (703) 347-0213 or by e-mail at carl.jaclyn@epa.gov. When submitting information or data in response to this letter, a copy of this letter should accompany the submission to facilitate processing.

Sincerely,

Jacqueline McFarlane
Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510P)

Enclosure: Stamped Label with Conditions
Efficacy and Chemistry Reviews

*[ ] – Optional label verbiage

MOLD PROOFER® PAINT [PRIMER]

Fungicidal Protective Coating

[Kills Existing Mold and Mildew, Kills Existing Odor Causing Bacteria]

Active Ingredients:

3-iodo-2-propynylbutylcarbamate	0.0063%
Inert Ingredients	99.9937%
TOTAL	100.0000%

This contains 63 ppm of 3-iodo-2-propynylbutylcarbamate per gallon.

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID	
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call poison control center or doctor for treatment advice.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF ON SKIN:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

EPA Reg. No. 87469-R
EPA Est. No. xxxxx-xx-xxxx

Manufactured For: Betterbilt Chemical, 3137 East 26th Street, Vernon, CA 90058

Net Contents: [6oz., 178ml, 8oz., 237ml, 12oz., 355ml, 16oz., 473ml, 20oz., 592ml, 32oz., 946ml, 1 gallon, 3.79L, 5 gallon, 18.9L, 55 gallon, 208L]

[*Sheen: Flat, Matte, Eggshell, Semi-gloss, Gloss, Elastomeric
*Color: White, Stark White, White Shadow, Swiss Coffee, Antique White, Frost, Polar Bear White, Bone White, Pearl White, Navajo White, Palomino, Sands of Time, Caribou Brown, Brick Road, Stonehedge, Golden Wheat, Blue Sky, Majave Sage, Spanish Sand, Cowhide Tan, Suede, Plymouth Grey, Cement Grey, Black.]

The Mold Proofer Paint is a water-based fungicidal protective coating that kills microbiological growth on the surface including mold, mildew, fungi, moss and odor causing bacteria. The Mold Proofer contains an EPA registered antimicrobial to prevent the growth of mold and mildew on the paint film. The Mold Proofer has leading-edge adhesion and high-hide properties to cover residual microbiological stains. See Product Data and Material Safety Data Sheets before application at [www.seichemical.com, www.betterbiltchemical.com, www.fourstarchemical.com, www.thestarcogroup.com.]

The Mold Proofer is recommended for use on non-pourus interior and exterior surfaces including metal, aluminum, primed surfaces and previously painted substrates and the following sealed substrates: wood, dimensioned lumber, sheetrock, wallboard, drywall, shingle, clay, tile, ceramics, plaster, concrete, masonry, stone, brick, marble, plastics, fiberglass, plaster, stucco and inside wall cavities. It can also be applied in factories, warehouses, storage facilities, refrigerated storage facilities, office buildings, residential living, schools, hospitals, veterinary care facilities, elderly care facilities, prisons and correction facilities, wash houses, restaurants, fitness centers, locker rooms, RV's, campers, boats, automotive, semi-trailers, attics, basements, window frames, bathrooms, wall cavities, base-boards, sub-floors, out-door furniture, table tops, HVAC systems and ducting.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Check with all local, state and federal regulations prior to using or working or using this product. Fix the source of any moisture problems prior to remediation. Do not attempt to salvage damaged or structurally unsound building materials. Consult a qualified professional to perform a thorough inspection and supply work specifications appropriate to the project.

Surface Preparation & Application:
For soiled areas a pre-cleaning step is required. Physically or mechanically remove gross filth, heavy soil, overgrowth or loose material or before application. Surfaces must be clean and free of microbiological life forms and loose materials before application to ensure long-term adhesion and performance. If mold or mildew needs to be removed prior to application remove with a mildew remover that is EPA registered and let dry. Eye, skin and NOISH approved respiratory protection is highly recommended. Patch surface irregularities with appropriate patching compounds.

The Mold Proofer is a ready to use product, do not thin, do not dilute and do not mix with water or other chemicals or other paints. Mix thoroughly, preferably with a drill mixer for a minimum of 3 minutes. The Mold Proofer is self-priming, can be used as a

primer and can be use is a topcoat. Do not apply whe air or surface temperature is below 50F or when drying conditions are poor. Use adequate ventilation during application.

Use a brush, roller, dip, Hudson sprayer, HVLP or airless sprayer to apply. [Contents under pressure.] Do not store at temperatures over 120F. Do not puncture or incinerate. Do not spray directly in face, eyes, on skin or on clothing. [Apply uniformly 6-8 inches away from substrate.] [After use clean the tip with warm soapy water.] If spray applying with Hudson, HVLP or airless sprayers divide the coverage rates in half to account for loss. Coverage depending on substrate porosity and surface smoothness.

Dry to the touch time at 70F / 50% relative humidity is approximately 2-3 hours and will fully cure in 4-6 hours. A second coat is required for long-term protection and a third coat can be applied in applications or environments of very high humidity. Recoat time is 2-3 hours. Application at lower temperatures or in high humidity will increase dry times.

Mold, Mildew, Fungi, Moss and Odor Causing Bacteria Control:
The Mold Proofer will kill all existing surface microbiological life. Apply The Mold Proofer generously and uniformly and ensure that the surface is completely coated. Allow to air dry. Clean and inspect regularly for damage to the coating film and reapply if the cured film becomes damaged.

Coverage:
[Smooth Surfaces: 200-300 sq. ft. per gal.]
[Porous Surfaces: 75-150 sq. ft. per gal.]
[Coverage is approximately 15-30 square feet per unit.]

KEEP PRODUCT FROM FREEZING

Clean Up:
Clean all tools and drippings with warm soapy water before coating dries.

Health & Safety:
If spilled, contain spilled material and remove with inert absorbent.
Dispose of absorbent, container and unused product in accordance with all current Federal, state and local regulations.

[Less than 50 grams/ Liter V.O.C.]
[Less than 100 grams/ Liter V.O.C.]
[Less than 150 grams/ Liter V.O.C.]
[Meets AQMD rules 1113.b.43 and 113.c Max V.O.C.: 250g/L]

The information and data contained herein are correct to the best of our knowledge and tests. We recommend that adequate tests be made by the purchaser to determine if a product is suitable for the intended purpose of use.

Lead Paint:
CAUTIONS:
MAY CONTAIN CRYSALLINE SILICA. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use any other means to ensure fresh air

entry during applicatic and drying. If you experience e watering, headaches, or dizziness, increase fres.. air or wear NOISH approved respiratory protection and/or leave area. Adequate ventilation is required when sanding or abrading the dry film. If adequate ventilation cannot be provided wear a NOISH approved particulate respirator. Follow respirator manufacturer's instructions for use. Do not transfer contents to other containers for storage.

ATTENTION: Before sanding, scraping or otherwise distributing old paint (pre-1978 housing) contact the U.S. EPA/Lead Hotline (800-424-LEAD 800-424-LEAD) for LEAD HAZARD information published in their "Protect Your Family From Lead In Your Home" Brochure and the Lead Pre-Renovation Education Rule. Lead exposure can cause serious health problems, especially in children and pregnant women. Visit www.epa.gov/lead.

Shelf Life: 1 year. STORE ABOVE 50F, KEEP FROM FREEZING.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

For Residential Use
Container Disposal: Nonrefillable container. Do not reuse or refill this container. Securely wrap original container in several layers of newspaper and discard in trash or offer for recycling if available.

Nonresidential Use (Containers larger than 5 gallons)
Container Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Dispose of rinsate as pesticide waste. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

Proposition 65 Warning: This product contains a chemical(s) known to the State of California to cause cancer.

In case of emergency call XXX-XXX-XXXX. Have the product container/label with you when calling Poison Control Center, doctor or going for treatment.

PRECAUTIONARY STATEMENTS

HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Harmful if swallowed or absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid contact with the eyes and clothing. Avoid breathing spray mist. Remove contaminated clothing and wash clothes before reuse. When applying with a sprayer the applicator should wear a dust/mist filtering respirator (MSHA/NIOSH approved number prefix TC-21C) or a NIOSH approved respirator with any R,P,N, or HE filter.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove personal protective equipment immediately after handing this product. Wash outside of gloves before removing. As soon as possible wash thoroughly.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other water unless in accord with the requirements of a National Pollution Discharger Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

IMPORTANT:

In lieu of all other warranties or guarantees, expressed or implied by contract or law, manufacturers liability is hereby limited, at its option, to replacement of this merchandise if found to be defective upon inspection by representative, or refund of purchase price minus restocking fee upon proof of purchase. Manufacturer shall not be liable for any representations, warranties, (expressed or implied) made by any seller of this merchandise, by any of its agents, representatives or employees, or by any applicator regarding the product contained herein. In no case will manufacturer reimburse any labor cost or be responsible for damage or replacement of substrates to which this product is applied.

BETTERBILT CHEMICALS ACCEPTANCE OF ANY ORDERS FOR THIS PRODUCT IS EXPRESSLY CONDITIONAL UPON THE PURCHASE'S ASSENT TO THE TERMS OF THE APPLICABLE PRODUCT DATA SHEET AND INVOICE.

CAS. NO.:	CHEMICAL INGREDIENTS:

HMIS HAZARD RATING	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	E

HMIS HAZARD INDEX:
0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe
PERSONAL PROTECTION CODE: E=Safety glasses.

Gloves and Protective clothing for all applications. (Dust Respirator – for spray applications only)

Betterbilt Chemical
3137 East 26th Street
Vernon, CA 90058

Patent Pending

MOLD PROOFER is a registered trademark of Betterbilt Chemical

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 24, 2012

MEMORANDUM

Subject: Efficacy Review for EPA Reg. No. 87469-R, Mold Proofer Paint;
DP Barcode: 399184

From: Tajah Blackburn, Ph.D., Microbiologist
Efficacy Evaluation Team
Product Science Branch
Antimicrobials Division (7510P)

4/24/12

To: Jacqueline Campbell PM34/Jaclyn Carl
Regulatory Management Branch II
Antimicrobials Division (7510P)

Applicant: Betterbilt Chemical
3137 East 26th Street
Vernon, CA 90058

Formulation from the Label:

Active Ingredient(s)	% by wt.
3-iodo-2-propynylbutylcarbamate	0.0063%
Other Ingredients	99.9937%
Total	100.0000%

Product ingredient source information may be entitled to confidential treatment

I BACKGROUND

The product, Mold Proofer Paint (Fungicidal Protective Coating) (EPA Reg. No. 87469-R) is a new product. In response to the Agency's review (August 10, 2011), the registrant provided a formal response (dated October 19, 2011). The responses are detailed below:

Agency's Comment 1: The detailed instructions referenced in Tuite, John, 1969, Plant Pathological Methods, Fungi and Bacteria, Burgess Publishing Co., Minneapolis. MN, pp. 183-84, must be provided. What aspects of this method were used in data generation?
Registrant's Response: The method is [now] attached. The method is a detailed description of how to use a hemocytometer in order to assess the density of conidia in the inoculums [sic].

Agency's Comment 2: The registrant must explain the different test conditions (identified as IPBC Active (ai), [redacted] and how do these products differ from the product in question, Mold Proofer Paint), as this is not readily apparent from the submitted data. Are EPA Reg. Nos. [redacted] similar/identical to Mold Proofer Paint?
Registrant's Response: [redacted] was used directly "as is" in Betterbilt Chemical's formulation.

Agency's Comment 3: Are the pictures/data tables reflective of fungal growth after 3 days? A close-up with for the condition [redacted] would be helpful.
Registrant's Response: The growth was too weak after just 3 days of incubation to show up on a photo. The pictures are therefore taken after 7 days of incubation. A photo of [redacted] is attached at full pixel level.

Agency's Comment 4: As the efficacy data was not generated under GLP (40 CFR 160), the registrant must provide deviations/rationales for missing GLP elements.
Registrant's Response: EPA 40 CFR Part 160
§ 160.15 Inspection of a testing facility.

1) The lab has not been tested by EPA or FDA.
2) Balances are serviced once a year by: Advance Balance Service Co. 38 Cedar Lake E, Denville, NJ 07834-1806
3) Safety inspection is according to OSHA 1910 and Right to Know Law,
4) Environmental Protection Regulation according to NJAC 7:27
5) Environmental Management Standards according to ISO 14,000

§ 160.29 Personnel.
Requirements met.

§160.31 Testing facility management
Requirements met.

§160.33 Study Director.
Requirements met.

§ 160.35 Quality assurance unit.
The requirements are met, except that the quality assurance unit responsible for monitoring each study is also manager of the lab but not participating in the practical work.

§160.41 Facilities, General
Requirements met.

§160. 43 Test system care facilities.
Requirements met.

§160.45 Test system supply facilities.
Requirements met.

§160.47 Facilities for handling test, control, and reference substances.
Requirements met.

§160.49 Laboratory operation areas.
Requirements met.

§160.51 Specimen and data storage facilities.
Requirements met.

§160.61 Equipment design
Requirements met.

§160.63 Maintenance and calibrating of equipment.
Requirements met.

§160.81 Standard operating procedure.
Requirements met.

§160.83 Reagents and solution.
Requirements met.

§160. 90 Animal and other test system care.
Requirements met. The laboratory is not performing testing with animals.

§160.105 Test control and reference substance characterization.
Requirements met.

§160.107 Test, control, and reference substance handling.
Requirements met.

§160.113 Mixtures of substances with carriers.
Requirements met.

§160.120 Protocol.
Requirements met.

§160.130 Conduct of study.
Requirements met.

§160.135 Physical and chemical characterization studies.
Requirements met.

§160. 185 Reporting of study results.
(4) See statement in Issue (2).
(13) It was not mentioned in the report where all specimens, raw data, and the final report are to be stored. This location is Troy Corporation, One Avenue L, Newark, NJ 07105-3895.

§160.190 Storage and retrieval of records and data.
(a) The painted object glasses with growth of the mold fungus Aspergillus niger was not stored but autoclaved and disposed for safety reasons.

§160.195 Retention of records.
Requirements met.

Agency's Comment 5: The ATCC Number for *Aspergillus niger* must be provided.
Registrant's Response: The test fungus was *Aspergillus niger*, ATCC# 6275.

Additional revisions and Agency comments were provided in the March 6, 2012 email from Kevin Kutcel; briefly,

1. In all areas where 'bacteria' is stated we have changed to 'odor-causing bacteria'.
2. Residual claims have been removed. We have added a statement allowed under the treated article exception in the second paragraph that has been highlighted: The Mold Proofer contains an EPA registered antimicrobial to prevent growth of mold and mildew on the paint film.
3. We have removed statements above ASTM D3273/74.
4. In all places where the term fungicide was used we have expanded it to include mold and mildew.
5. We have altered paragraph 3 to describe non-porous substrates and then reference sealed porous substrates.

Additionally, a revised, proposed label was provided on March 6, 2012, via email.

The current data package included a response (dated October 19, 2011) to the initial Agency review (dated August 10, 2011) and the revised label.

II USE DIRECTIONS

The product is a "fungicidal protective coating that kills mold and mildew and odor-causing bacteria" (proposed label). Directions on the proposed label provided the following instructions for the preparation and use of the product:

Surface Preparation & Application: For soiled areas a pre-cleaning step is required. Physically or mechanically remove gross filth, heavy soil, overgrowth or loose material before application. Surfaces must be clean and free of microbiological life forms and loose materials before application to ensure long-term adhesion and performance. If mold and mildew needs to be removed prior to application remove with a mildew remover that is EPA registered and let dry.

The Mold Proofer is ready to use product, do not thin, do not dilute and do not mix with water or other chemicals or other paints. Mix thoroughly, preferably with a drill mixer for a minimum of 3 minutes. The Mold Proofer is self-priming, can be used as a primer and can be used as a topcoat. Do not apply when air and surface temperature is below 50°F or drying conditions are poor. Use adequate ventilation during application.

Use a brush, roller, dip, Hudson sprayer, HVLP or airless sprayer to apply. Apply uniformly 6-8 inches away from substrate. If spraying with Hudson, HVLP or airless sprayers divide coverage rates in half to account for loss. Coverage depending on substrate porosity and surface smoothness. Dry time at 70°F/50% relative humidity is approximately 2 hours and will fully cure in 4-6 hours. A second coat is required for long-term protection and a third coat can be applied in applications or environments of very high humidity. Recoat time is 2-3 hours. Application at lower temperatures or in high humidity will increase dry times.

Mold, Mildew, Fungi, Moss, and Odor-causing Bacteria Control: The Mold Proofer will kill all existing surface microbiological life. Apply The Mold Proofer generously and uniformly and ensure that the surface is completely coated. Allow to air dry. Clean and inspect regularly for damage to the coating film and reapply if the cured film becomes damaged.

III AGENCY STANDARD FOR PROPOSED CLAIMS

The effectiveness of mildewcides may be supported by efficacy data derived using the EPA Glass Slide Mildew Fungicidal Test Method. All ten treated tiles must be free of fungal growth after 3 days. A sufficient number of dosages of the test fungicide should be evaluated in order to determine the minimum effective dosage. The presence or absence of fungal growth, after 3 days, is the criterion for determining the effectiveness of the test product. For a valid test, fungal growth must be present in both viability control replicates. A product dosage is considered acceptable when all ten treated replicates are free of fungal growth. The results of this test must be correlated with the intended label claims. Agency standards are presented in the Pesticide Assessment Guidelines, Subdivision G, Section 93-30, Product Performance, November 1982.

IV CONCLUSIONS

The submitted efficacy study (MRID No. 484825-03) is acceptable regarding the use of the product, Mold Proofer Paint, as a product that kills mold and mildew (mildewcide), only, when applied to pre-cleaned, hard, non-porous surfaces.

VII RECOMMENDATIONS

1. The proposed label claims are acceptable regarding the use of the product, Mold Proofer Paint, as a product that kills mold and mildew (mildewcide) when applied to pre-cleaned, hard, nonporous surfaces. In the absence of GLP data, the Agency has decided that fungicide must be replaced with mold and mildew –cide or -cidal. Should the registrant wish to maintain fungicidal claims, GLP efficacy data must be generated.

2. The claim, "Kills all existing surface microbiological life" is unacceptable. This claim has not been supported by efficacy data.

3. The claims "leading-edge adhesion and high-hide properties" imply heighten efficacy. These claims must be removed from the proposed label.

4. The use of the product in HVAC systems, automotives, and outdoor furniture are unacceptable use areas.

5. Pre-cleaning instructions are required on the proposed label.

6. Since the test method only incorporated glass slides, then the proposed label must reflect comparable use sites. To claim porous surfaces listed on the proposed label (wood, dimensioned lumber, sheetrock, wallboard, drywall, shingle, clay, tile, ceramics, plaster, concrete, masonry, stone, brick, marble, plastics, fiberglass, stucco, and inside wall cavities) more appropriate substrate methods must be used.

7. Efficacy data was not provided to support the use of pigments and/or sheens. This addendum was not included on the original proposed label. The registrant must address this issue.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 24, 2012

MEMORANDUM

Subject: Efficacy Review for EPA Reg. No. 87469-R, Mold Proofer Paint;
DP Barcode: 399184

From: Tajah Blackburn, Ph.D., Microbiologist
Efficacy Evaluation Team
Product Science Branch
Antimicrobials Division (7510P)

4/24/12

To: Jacqueline Campbell PM34/Jaclyn Carl
Regulatory Management Branch II
Antimicrobials Division (7510P)

Applicant: Betterbilt Chemical
3137 East 26th Street
Vernon, CA 90058

Formulation from the Label:

Active Ingredient(s)	% by wt.
3-iodo-2-propynylbutylcarbamate	0.0063%
Other Ingredients	99.9937%
Total	100.0000%

Product ingredient source information may be entitled to confidential treatment

I BACKGROUND

The product, Mold Proofer Paint (Fungicidal Protective Coating) (EPA Reg. No. 87469-R) is a new product. In response to the Agency's review (August 10, 2011), the registrant provided a formal response (dated October 19, 2011). The responses are detailed below:

Agency's Comment 1: The detailed instructions referenced in Tuite, John, 1969, Plant Pathological Methods, Fungi and Bacteria, Burgess Publishing Co., Minneapolis. MN, pp. 183-84, must be provided. What aspects of this method were used in data generation?
Registrant's Response: The method is [now] attached. The method is a detailed description of how to use a hemocytometer in order to assess the density of conidia in the inoculums [sic].

Agency's Comment 2: The registrant must explain the different test conditions (identified as IPBC Active (ai), [redacted] and how do these products differ from the product in question, Mold Proofer Paint), as this is not readily apparent from the submitted data. Are EPA Reg. Nos. [redacted] similar/identical to Mold Proofer Paint?
Registrant's Response: [redacted] was used directly "as is" in Betterbilt Chemical's formulation.

Agency's Comment 3: Are the pictures/data tables reflective of fungal growth after 3 days? A close-up with for the condition [redacted] would be helpful.
Registrant's Response: The growth was too weak after just 3 days of incubation to show up on a photo. The pictures are therefore taken after 7 days of incubation. A photo of [redacted] is attached at full pixel level.

Agency's Comment 4: As the efficacy data was not generated under GLP (40 CFR 160), the registrant must provide deviations/rationales for missing GLP elements.
Registrant's Response: EPA 40 CFR Part 160
§ 160.15 Inspection of a testing facility.

1) The lab has not been tested by EPA or FDA.
2) Balances are serviced once a year by: Advance Balance Service Co. 38 Cedar Lake E, Denville, NJ 07834-1806
3) Safety inspection is according to OSHA 1910 and Right to Know Law.
4) Environmental Protection Regulation according to NJAC 7:27
5) Environmental Management Standards according to ISO 14,000

§ 160.29 Personnel.
Requirements met.

§160.31 Testing facility management
Requirements met.

§160.33 Study Director.
Requirements met.

§ 160.35 Quality assurance unit.
The requirements are met, except that the quality assurance unit responsible for monitoring each study is also manager of the lab but not participating in the practical work.

§160.41 Facilities, General
Requirements met.

§160. 43 Test system care facilities.
Requirements met.

§160.45 Test system supply facilities.
Requirements met.

§160.47 Facilities for handling test, control, and reference substances.
Requirements met.

§160.49 Laboratory operation areas.
Requirements met.

§160.51 Specimen and data storage facilities.
Requirements met.

§160.61 Equipment design
Requirements met.

§160.63 Maintenance and calibrating of equipment.
Requirements met.

§160.81 Standard operating procedure.
Requirements met.

§160.83 Reagents and solution.
Requirements met.

§160. 90 Animal and other test system care.
Requirements met. The laboratory is not performing testing with animals.

§160.105 Test control and reference substance characterization.
Requirements met.

§160.107 Test, control, and reference substance handling.
Requirements met.

§160.113 Mixtures of substances with carriers.
Requirements met.

§160.120 Protocol.
Requirements met.

§160.130 Conduct of study.
Requirements met.

§160.135 Physical and chemical characterization studies.
Requirements met.

§160. 185 Reporting of study results.
(4) See statement in Issue (2).
(13) It was not mentioned in the report where all specimens, raw data, and the final report are to be stored. This location is Troy Corporation, One Avenue L, Newark, NJ 07105-3895.

§160.190 Storage and retrieval of records and data.
(a) The painted object glasses with growth of the mold fungus Aspergillus niger was not stored but autoclaved and disposed for safety reasons.

§160.195 Retention of records.
Requirements met.

Agency's Comment 5: The ATCC Number for *Aspergillus niger* must be provided.
Registrant's Response: The test fungus was *Aspergillus niger*, ATCC# 6275.

Additional revisions and Agency comments were provided in the March 6, 2012 email from Kevin Kutcel; briefly,

1. In all areas where 'bacteria' is stated we have changed to 'odor-causing bacteria'.
2. Residual claims have been removed. We have added a statement allowed under the treated article exception in the second paragraph that has been highlighted: The Mold Proofer contains an EPA registered antimicrobial to prevent growth of mold and mildew on the paint film.
3. We have removed statements above ASTM D3273/74.
4. In all places where the term fungicide was used we have expanded it to include mold and mildew.
5. We have altered paragraph 3 to describe non-porous substrates and then reference sealed porous substrates.

Additionally, a revised, proposed label was provided on March 6, 2012, via email.

The current data package included a response (dated October 19, 2011) to the initial Agency review (dated August 10, 2011) and the revised label.

II USE DIRECTIONS

The product is a "fungicidal protective coating that kills mold and mildew and odor-causing bacteria" (proposed label). Directions on the proposed label provided the following instructions for the preparation and use of the product:

Surface Preparation & Application: For soiled areas a pre-cleaning step is required. Physically or mechanically remove gross filth, heavy soil, overgrowth or loose material before application. Surfaces must be clean and free of microbiological life forms and loose materials before application to ensure long-term adhesion and performance. If mold and mildew needs to be removed prior to application remove with a mildew remover that is EPA registered and let dry.

The Mold Proofer is ready to use product, do not thin, do not dilute and do not mix with water or other chemicals or other paints. Mix thoroughly, preferably with a drill mixer for a minimum of 3 minutes. The Mold Proofer is self-priming, can be used as a primer and can be used as a topcoat. Do not apply when air and surface temperature is below 50°F or drying conditions are poor. Use adequate ventilation during application.

Use a brush, roller, dip, Hudson sprayer, HVLP or airless sprayer to apply. Apply uniformly 6-8 inches away from substrate. If spraying with Hudson, HVLP or airless sprayers divide coverage rates in half to account for loss. Coverage depending on substrate porosity and surface smoothness. Dry time at 70°F/50% relative humidity is approximately 2 hours and will fully cure in 4-6 hours. A second coat is required for long-term protection and a third coat can be applied in applications or environments of very high humidity. Recoat time is 2-3 hours. Application at lower temperatures or in high humidity will increase dry times.

Mold, Mildew, Fungi, Moss, and Odor-causing Bacteria Control: The Mold Proofer will kill all existing surface microbiological life. Apply The Mold Proofer generously and uniformly and ensure that the surface is completely coated. Allow to air dry. Clean and inspect regularly for damage to the coating film and reapply if the cured film becomes damaged.

III AGENCY STANDARD FOR PROPOSED CLAIMS

The effectiveness of mildewcides may be supported by efficacy data derived using the EPA Glass Slide Mildew Fungicidal Test Method. All ten treated tiles must be free of fungal growth after 3 days. A sufficient number of dosages of the test fungicide should be evaluated in order to determine the minimum effective dosage. The presence or absence of fungal growth, after 3 days, is the criterion for determining the effectiveness of the test product. For a valid test, fungal growth must be present in both viability control replicates. A product dosage is considered acceptable when all ten treated replicates are free of fungal growth. The results of this test must be correlated with the intended label claims. Agency standards are presented in the Pesticide Assessment Guidelines, Subdivision G, Section 93-30, Product Performance, November 1982.

IV CONCLUSIONS

The submitted efficacy study (MRID No. 484825-03) is acceptable regarding the use of the product, Mold Proofer Paint, as a product that kills mold and mildew (mildewcide), only, when applied to pre-cleaned, hard, non-porous surfaces.

VII RECOMMENDATIONS

1. The proposed label claims are acceptable regarding the use of the product, Mold Proofer Paint, as a product that kills mold and mildew (mildewcide) when applied to pre-cleaned, hard, nonporous surfaces. In the absence of GLP data, the Agency has decided that fungicide must be replaced with mold and mildew –cide or -cidal. Should the registrant wish to maintain fungicidal claims, GLP efficacy data must be generated.

2. The claim, "Kills all existing surface microbiological life" is unacceptable. This claim has not been supported by efficacy data.

3. The claims "leading-edge adhesion and high-hide properties" imply heighten efficacy. These claims must be removed from the proposed label.

4. The use of the product in HVAC systems, automotives, and outdoor furniture are unacceptable use areas.

5. Pre-cleaning instructions are required on the proposed label.

6. Since the test method only incorporated glass slides, then the proposed label must reflect comparable use sites. To claim porous surfaces listed on the proposed label (wood, dimensioned lumber, sheetrock, wallboard, drywall, shingle, clay, tile, ceramics, plaster, concrete, masonry, stone, brick, marble, plastics, fiberglass, stucco, and inside wall cavities) more appropriate substrate methods must be used.

7. Efficacy data was not provided to support the use of pigments and/or sheens. This addendum was not included on the original proposed label. The registrant must address this issue.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

EPA United States Environmental Protection Agency **Office of Pesticide Programs**

Antimicrobials Division (AD)

October 3, 2011

DP BARCODE:	390518
MRID:	484825-01 and 4484825-02
SUBJECT:	Mold Proofer Paint
REG. NO.:	87469-R
DOCUMENT TYPE:	Product Chemistry Review
Manufacturing-use [ ] OR	End-use Product [X]

INGREDIENTS:

PC Code(s)	CAS Number	Active Ingredient(s):
107807	55406-53-6	Carbamic acid, butyl-, 3-iodo-2-propnyl ester

TEST LAB:	NA
SUBMITTER:	Betterbilt, LLC
GUIDELINE:	830 Groups A and B
ORGANIZATION:	AD\PSB\CTT
REVIEWER:	Lynette T. Umez-Eronini
APPROVED BY:	Karen P. Hicks LTU for KPH
APPROVED DATE:	October 3, 2011
COMMENT:	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Office of Pesticide Programs

Antimicrobials Division (AD)

October 3, 2011

MEMORANDUM

SUBJECT:	Product Chemistry Review for EPA Reg. 87469-R Product Name: Mold Proofer Paint DP Barcode: 390518
CODE:	A540
DATE DUE:	October 6, 2011
FROM:	Lynette T. Umez-Eronini, Chemist Lynette T. Umez Eronini Chemistry and Toxicology Team Product Science Branch Antimicrobials Division (7510P)
THRU:	Karen Hicks, Team Leader JB for KPH Chemistry and Toxicology Team Product Science Branch Antimicrobials Division (7510P)
TO:	Jacqueline Campbell-McFarlane PM#34/Jaclyn Carl Regulatory Management Branch I Antimicrobials Division (7510P)
Applicant:	Betterbilt LLC

PRODUCT FORMULATION FROM LABEL:

Active Ingredient(s):	% by wt.
Carbamic acid, butyl-, 3-iodo-2-propnyl ester	.0063
Other Ingredient(s):	99.9937
Total:	100.0000

BACKGROUND:

On behalf of the Registrant, Betterbilt LLC, the Consultant, KRK Consulting LLC, has submitted an application to register a new non-integrated end-use product, Mold Proofer Paint. The product is a protective coating that is designed to kill mold, mildew, and fungi that would grow on wall surfaces.

The original data package was reviewed and included:

1. A letter from the applicant's representative to EPA, dated May 11, 2011.
2. EPA Form 8570-1 Application Form, dated May 11, 2011.
3. A basic Confidential Statement of Formula (CSF) (2 pages), dated May 11, 2011.
4. EPA Form 8570-27 (Formulator's Exemption Statement), dated May 11, 2011.
5. EPA Form 8570-34 (Certification with Respect to Citation of Data), dated May 11, 2011.
6. EPA Form 8570-35 (Data Matrix) 3 pages, dated May 11, 2011.
7. A proposed EPA Label, pin-punched May 16, 2011.
8. Product Chemistry Subgroup A, 830 Series (MRID 484825-01), dated May 11, 2011.
9. Product Chemistry Subgroup B, 830 Series (MRID 484825-02), dated May 11, 2011.

Revised data package was sent to the Agency and included:

1. Corrected basic CSF, dated September 14, 2011.

FINDINGS:

1. Confidential Statement of Formula
   a. The basic CSF dated May 11, 2011 and which was originally submitted as part of this package required correction. A correction request was sent via e-mail and phone to the agent on September 14, 2011. The agent willingly complied with a resubmission of a corrected CSF, dated September 14, 2011.
   b. The corrected CSF was reviewed. The nominal concentration of the active ingredient is consistent with the proposed label. EPA registered number for the active ingredient source is found acceptable. Inert ingredients were approved for non-food use

2. Product Chemistry:
   a. The OPPTS 830 Guideline for Group A Product Chemistry has been met (see Table A below for details), with the exception of 830.1800 Enforcement Analytical Method. The method fails to include detailed description of the procedure, instrumentation, chemicals, preparation and standardization of reagents, equations, calculations, and confidence limit of data.

b. The OPPTS 830 Guideline for Group B Product Chemistry is met, with the exception of 830.6317 Storage Stability and 830.6320 Corrosion Characteristics. Claims stating Storage Stability "Shown to be stable over 2 year period" and Corrosion Characteristics "non-corrosive,"(see MRID 484825-02, page 5 of 5) are unacceptable for failing to provide data to support claims.

CONCLUSION:

The Product Science Branch of Antimicrobials Division finds the basic CSF, dated September 14, 2011 for the submission of 87469-R to be acceptable and supersede all previous CSFs. The OPPTS 830 Groups A and B have been met, with the exception of 830.1800, 830.6317 and 830.6720. MRID 484825-01 and 484825-02 are partially accepted.

RECOMMENDATIONS:

1. The Registrant must make the following changes in MRID No. 484825-01, page 4 of 30, sections (ii)
   Delete [redacted]
   Delete **0.0056%** then insert **0.0063%**;
   Delete the following rationale, "**This level is within 10% of the standard certified limits as stated in 40CFR158.175(b)(2).**" The said rationale is unacceptable because the nominal concentration must match the nominal concentration on the label.

2. The Registrant must make the following changes in MRID No. 484825-01,
   - On page 4 of 30, sections (iii)
     Delete "**The upper and lower certified limits are** [redacted] . . . **in 40CFR 158.175(b)(2).**" then insert "**Certified limits are within the EPA Standard Certified Limits.**"

   - On pages 5 of 30, 6 of 30, 7 of 30, and 8 of 30,
     Delete the CAS Number [redacted]

3. The Agency suggests that the OPPTS 830.1800 Enforcement Analytical Method would be a detailed procedure that will include:
   - List of Materials
   - List of Chemicals
   - Instrumentation
   - Preparation of Solutions
   - Preparation of Samples
   - Equation
   - Linearity /Limit of Detection/Limit of Quantification

4. The Registrant must provide year long storage stability and corrosion characteristic data.

PRODUCT CHEMISTRY REVIEW

I. CONFIDENTIAL STATEMENT OF FORMULA

a. Type of formulation and source registration:

- Non-integrated formulation system Yes [X] No [ ]
- Are all TGAIs used registered? Yes [ ] No [ ]
- Integrated formulation system Yes [ ] No [X]
- If "ME-TOO," specify EPA Reg. No. of existing product: _____

b. Clearance of inerts for non-food or food use:

The product is cleared for food use under 40 CFR §§180.940 and 180.950.
Yes [ ] No [X]

Note: Product is not intended for food use

Note: All formulation components are listed on the EPA document "Inert Ingredients Permitted for Use in Nonfood Use Pesticide Products," last updated on March 28, 2010 and available at http://www.epa.gov/opprd001/inerts/inert_nonfooduse.pdf.

c. Physical state of product: Liquid

d. The chemical IDs and analytical information (including that for the TGAIs), density, pH, and flammability are consistent with that given in 830 Series, Group B.
Yes [X] No [ ]

e. The NCs and CLs are acceptable. Yes [X] No [ ]

f. Active ingredient(s)	NC%	LCL%	UCL%
3-iodo-2-propynyl butyl carbamate	0.0063	0.0056	0.007

g. For products produced by an integrated formulation system:

- Do all impurities of toxicological significance have a UCL?
  Yes [ ] No [ ] Not applicable [X]
- Have all impurities of ≥ 0.1% in the product been identified?
  Yes [ ] No [ ] Not applicable [X]

II PRODUCT LABEL

a. The active ingredient(s) statement (chemical IDs and NC) is consistent with the CONFIDENTIAL STATEMENT OF FORMULA. Yes [X] No [ ]

b. The formula contains one of the following:

- 10% or more of a petroleum distillate: Yes [ ] No [X]
- 1.0% or more of methyl alcohol: Yes [ ] No [X]
- sodium nitrite at any level: Yes [ ] No [X]
- a toxic List 1 inert at any level: Yes [ ] No [X]
- arsenic in any form: Yes [ ] No [X]

c. If "yes" to any of the above, does the inert ingredients statement contain a footnote indicating this? Yes [ ] No [ ] Not applicable [X]

d. Appropriate warning statement(s) regarding flammability or explosive characteristics of the product are listed on the label.
Yes [ ] No [ ] Not applicable [X]

e. The storage and disposal instructions for the pesticide container are in compliance with PR Notice 84-1 for household use products or PR Notice 83-3 for all other uses.
Yes [ ] No [ ]

f. The product requires an expiration date at which time the NC falls below the LCL (based on the 1-year storage stability data or other information).
Yes [ ] No [ ]

Note: Storage stability data has not been provided.

Table A:
Product Chemistry (Series 830, Group A)

Data Requirements	Acceptance of Information	MRID No.
830.1550 Product Identity[1]	A	484825-01
830.1600 Description of Materials	A	484825-01
830.1620 Production Process[2]	*[Not required for products produced by a non-integrated system.]*	
830.1650 Formulation Process[3]	N	484825-01
830.1670 Formation of Impurities[4]	NA	484825-01
830.1700 Preliminary Analysis[5]	*[Not required for products produced by a non-integrated system.]*	
830.1750 Certified Limits[6]	A	484825-01
830.1800 Enforcement Analytical Method[7]	N	484825-01
830.1900 Submittal of Samples	*[Samples are to be provided on a case-by-case basis for end-use products.]*	

Explanation: A=acceptable; N=not acceptable (i.e., item was submitted but is not acceptable); NA=technically not applicable (i.e., not required); G=data gap (i.e., item was not submitted but is required); U=requires upgrading (i.e., item is unacceptable but upgradeable); W=waived; E=EPA estimate.

[1]See Confidential Appendix A for additional information.
[2]For MP/EP products produced by an integrated formulation system.
[3]For products from a TGAI or MP.
[4]May be waived unless actual/possible impurities are of toxicological concern.
[5]Five batch analysis required for products produced by an integrated formulation system.
[6]If different from standard CLs recommended in 40 CFR 158.175, this should be discussed in Confidential Appendix A.
[7]Abbreviate method used as follows: gas chromatography (GC), infrared (IR), ultraviolet absorption (UV), nuclear magnetic resonance (NMR), etc.

Table B:
Physical and Chemical Characteristics (Series 830, Group B)

Physical/Chemical Properties*	Acceptance of Data	Value or Qualitative Description	MRID No.
830.6302 Color	A	White	484825-02
830.6303 Physical State	A	Liquid	484825-02
830.6304 Odor	A	Low *[Not required for end-use products.]*	
830.6313 Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	NA		
830.6314 Oxidation/ Reduction; Chemical Incompatibility	A	Non corrosive and compatible	484825-02
830.6315 Flammability/ Flame Extension	NA	Nonflammable	484825-02
830.6316 Explodability	NA	Cannot explode	484825-02
830.6317 Storage Stability	N	Shown to be stable over 2 year period. [*Note: Lack product specific data]*	484825-02
830.6319 Miscibility[1]	A	Water based miscible in water.	484825-02
830.6320 Corrosion Characteristics	N	Non-corrosive	484825-02
830.6321 Dielectric Breakdown Voltage	NA		484825-02
830.7000 pH[2]	A	8.0	484825-02
830.7050 UV/Visible Absorption	NA	*[Not required for end-use products.]*	
830.7100 Viscosity	A	95 cu	484825-02
830.7200 Melting Point/Melting Range	NA	*[Not required for end-use products.]*	
830.7220 Boiling Point/Boiling Range	NA	*[Not required for end-use products.]*	
830.7300 Density/Relative Density/Bulk Density	A	10.0 lbs/gal	484825-02

Explanation: A=acceptable; N=not acceptable (i.e., item was submitted but is not acceptable); NA=technically not applicable (i.e., not required); G=data gap (i.e., item was not submitted but is required); U=requires upgrading (i.e., item is unacceptable but upgradeable); W=waived; E=EPA estimate.

* Provide brief description, e.g., color – yellow or property value, e.g., density 1.25 g/cc. Unless otherwise indicated, the property should be at 25°C.

[1]If product is an emulsifiable liquid
[2]If product is dispersible with water

Recommendation of Division Directors
Negotiated Due Dates

Decision #: 449135	Registration #: 87469-R	Petition #: N/A

☐ *See page 2 for additional registration entries*

Chemical Name: Carbamic acid, butyl-, 3-iodo-2-propynyl ester

Fee Category: A540		**PRIA Decision Time Frame:** 4 months	
Submitted by: Jaclyn	Carl	**Branch:** OCSPP/OPP/AD	**Date:** 10/11/2011

Company: Betterbilt, LLC

Original PRIA Due Date: 11/01/2011	**Proposed New PRIA Due Date:** 03/06/2011

Previous Negotiated Due Dates:

Is the "Fix" in-house? ☐ Yes ☑ No ☐ n/a **If not, date "Fix" expected:** 11/07/2011

Negotiated Due Date Reason:

Additional Data Required	☐ Product Chemistry	☐ Toxicology	☐ Acute Tox	☐ Environmental	
	☑ Efficacy	☐ Ecological	☐ Residue	☐ Other	
Data Deficiencies	☐ Product Chemistry	☐ Acute Tox	☑ Efficacy	☐ Residue	☐ Toxicology
	☐ Environmental	☐ Ecological	☐ Labeling	☐ Other	☐ Not Submitted
Late Risk Assessment	☐ Human Health	☐ Ecological			
Interim Consideration	☐ Agency Initiated	☑ Registrant Initiated			

☐ CSF	☐ Public Process	☐ Risk Issues Environmental	☐ Risk Issues Human Health
☐ Impurities Review	☐ Label	☐ Administrative-FR Notice	☐ Other – Comment Field

Summary of Deficiency Type(s): ☐ **Not Submitted (N)** ☑ **Deficiencies (D)**

Product Chemistry: ☐ **Acute Tox:** ☐ **Efficacy:** ☑ **Labeling:** ☐ **Ecological Data:** ☐ **Other (describe):** ☐

Describe Interactions with Company (describe when contacted and company's response including response to previous negotiated due dates):

Company was contacted on October 3, 2011 about efficacy issues addressed in the Agency review. The company contacted EPA on October 6, 2011 requesting a renegotiation for 120 days.

"75 Day" Letter sent? ☑ **Yes, Date sent** 10/11/2011 ☐ **No and reason for none?** *Add comments on page 2*

Rationale for Proposed Due Date: Time to submit fix data and Agency review

Registrant notified that this is the last negotiation? ☐ **Yes** ☑ **Not Applicable**

Approve: ☑ **Disapprove:** ☐

If disapproved, action to be taken:

OD or DOD Signature: *CN=Marty Monell/OU=DC/O=USEPA/C=US* **Date:** *10/26/2011*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 10, 2011

MEMORANDUM

Subject: Efficacy Review for EPA Reg. No. 87469-R, Mold Proofer Paint;
DP Barcode: 390519

From: Tajah Blackburn, Ph.D., Microbiologist
Efficacy Evaluation Team
Product Science Branch
Antimicrobials Division (7510P)

8/10/11

To: Jacqueline Campbell PM34/Jaclyn Carl
Regulatory Management Branch II
Antimicrobials Division (7510P)

Applicant: Betterbilt Chemical
3137 East 26th Street
Vernon, CA 90058

Formulation from the Label:

Active Ingredient(s)	% by wt.
3-iodo-2-propynylbutylcarbamate	0.0063%
Other Ingredients	99.9937%
Total	100.0000%

I BACKGROUND

The product, Mold Proofer Paint (Fungicidal Protective Coating) (EPA Reg. No. 87469-R) is a new product. According to the registrant's representative's letter (dated May 11, 2011), "this is a new product registration for a coating that specifically is designed to kill mold and mildew fungi that would grow on the substrate that is being covered". The letter further states that "the efficacy test that was performed followed the protocol that was provided by Mr. Dennis Edwards, Branch Chief, Regulatory Management, Antimicrobials Division." Efficacy data was generated at Troy Corporation, located at One Avenue L, in Newark, NJ, 07105.

The current data package contained a letter from the registrant's representative (dated May 11, 2011), Statement of No Data Confidentiality, one efficacy study (MRID No. 484825-03), and the proposed label.

II USE DIRECTIONS

The product is a "water-based fungicidal protective coating that kills microbiological growth on the surface and also prevents further growth of mold, mildew, fungi, moss and bacteria on the film" (proposed label). The product, according to the proposed label, "will also kill odor-causing bacteria on the surface". Directions on the proposed label provided the following instructions for the preparation and use of the product:

Mold, Mildew, Fungi, Moss, and Bacteria Control: Remove gross filth, heavy soil, overgrowth of loose material mechanically or by hand before application. For heavily soiled areas a pre-cleaning step is required. Apply the product generously and uniformly and ensure that the surface is completely coated. Allow to air dry. Clean and inspect regularly for damage to the coating film and reapply if the cured film becomes damaged. The Mold Proofer will kill all existing visible microbiological life on the surface and then will prevent any further growth of microbiological life on the surface of the film.

Surface Preparation & Application: Surfaces must be clean and free of microbiological life forms and loose materials to ensure long-term adhesion and performance. If mold and mildew needs to be removed prior to application remove with a mildew remover that is EPA registered and let dry. The product is ready to use. Mix thoroughly, preferably with a drill mixer for a minimum of 3 minutes. Do not mix with other coatings or chemicals and do not then. The product is self-priming over bare gypsum, drywall, composition board, ceiling tile and concrete. Do not apply when air and surface temperature is below 50°F or drying conditions are poor. Use adequate ventilation during application. Use a brush, roller, or spray to apply. Dry time at 70°F/50% relative humidity is approximately 2 hours and will fully cure in 4-5 hours. A second coat is required for long-term protection and a third coat can be applied in applications or environments of very high humidity. Recoat time is 2 hours. Application at lower temperatures or in high humidity will increase dry times. Apply product with a brush, roller, or airless sprayer.

Product ingredient source information may be entitled to confidential treatment

III AGENCY STANDARD FOR PROPOSED CLAIMS

Mildewcidal on Hard Surfaces

The effectiveness of mildewcides may be supported by efficacy data derived using the EPA Glass Slide Mildew Fungicidal Test Method. All ten treated tiles must be free of fungal growth after 3 days. A sufficient number of dosages of the test fungicide should be evaluated in order to determine the minimum effective dosage. The presence or absence of fungal growth, after 3 days, is the criterion for determining the effectiveness of the test product. For a valid test, fungal growth must be present in both viability control replicates. A product dosage is considered acceptable when all ten treated replicates are free of fungal growth. The results of this test must be correlated with the intended label claims. Agency standards are presented in the Pesticide Assessment Guidelines, Subdivision G, Section 93-30, Product Performance, November 1982.

IV SYNOPSIS OF SUBMITTED EFFICACY STUDY

MRID No. 484825-03, "Glass Slide Mildew Fungicidal Test for EPA Reg. No. 87469-R," by Dr. Kurt Hansen. Study Completion Date—April 28, 2011. Project Number—U100248-2 (TS-1310-4B).

This study was conducted against *Aspergillus niger* (ATCC Number not provided). According to the study, the "Glass Slide Mildew Fungicidal Test Method" was followed to generate data. Detailed instructions, according to the submitted data, can be found in Tuite, John, 2969, Plant Pathological Methods, Fungi and Bacteria, Burgess Publishing Co., Minneapolis. MN, 1969, pp. 183-84 (this protocol was not provided). The following notes were provided:

1. This method provides a choice of substrates depending on the purpose with the product. For this test object microscope glasses were used to represent hard, non-porous surfaces.
2. Glassware: Caps were used instead of plugs for the test tubes.
3. The emulsifiable concentrate [redacted] was used as fungicide
4. The acrylic paint was applied by brush and allowed to dry for 6 hours before inserted into the culture medium.
5. Evaluation: If fungus had grown through the paint film the product was considered to have failed and was marked with a "+". If there was no growth it was marked as a "-".

The paint sample used as a representative latex paint which does not contain a fungicide.

Product ingredient source information may be entitled to confidential treatment

Biocide

[redacted]
CAS No, 55406-53-6
EPA Reg. No. [redacted]

[redacted]
EPA Reg. No. [redacted]

Test Concentration

Concentration #	[redacted]	[redacted]
1	0.0008	0.0046
2	0.0063	0.04
3	0.05	0.29
4	0.1	0.59

V RESULTS

Glass Slide Test		[redacted]	[redacted]	3 dg. Incu.
Product	#	% active ai	AS IS %	rating
Ctr	1	0	0	+
Ctr	2	0	0	+
Blank	1	0	0	+
Blank	2	0	0	+
Blank	3	0	0	+
Blank	4	0	0	+
Blank	5	0	0	+
Blank	6	0	0	+
Blank	7	0	0	+
Blank	8	0	0	+
Blank	9	0	0	+
Blank	10	0	0	+
1	1	0.0008	0.0046	+
1	2	0.0008	0.0046	-
1	3	0.0008	0.0046	-
1	4	0.0008	0.0046	+
1	5	0.0008	0.0046	-
1	6	0.0008	0.0046	-
1	7	0.0008	0.0046	+
1	8	0.0008	0.0046	+
1	9	0.0008	0.0046	-
1	10	0.0008	0.0046	-
2	1	0.0063	0.04	-
2	2	0.0063	0.04	-
2	3	0.0063	0.04	-
2	4	0.0063	0.04	-
2	5	0.0063	0.04	-
2	6	0.0063	0.04	-
2	7	0.0063	0.04	-
2	8	0.0063	0.04	-
2	9	0.0063	0.04	-
2	10	0.0063	0.04	-
3	1	0.05	0.29	-
3	2	0.05	0.29	-
3	3	0.05	0.29	-
3	4	0.05	0.29	-

3	5	0.05	0.29	-
3	6	0.05	0.29	-
3	7	0.05	0.29	-
3	8	0.05	0.29	-
3	9	0.05	0.29	-
3	10	0.05	0.29	-
4	1	0.1	0.59	-
4	2	0.1	0.59	-
4	3	0.1	0.59	-
4	4	0.1	0.59	-
4	5	0.1	0.59	-
4	6	0.1	0.59	-
4	7	0.1	0.59	-
4	8	0.1	0.59	-
4	9	0.1	0.59	-
4	10	0.1	0.59	-

VI CONCLUSIONS

The submitted efficacy study (MRID No. 484825-03) is unacceptable regarding the use of the product, Mold Proofer Paint, as a fungicide which kills mold and mildew (mildewcide) when applied to pre-cleaned, hard, non-porous surfaces due to the following items:

- The detailed instructions referenced in Tuite, John, 1969, Plant Pathological Methods, Fungi and Bacteria, Burgess Publishing Co., Minneapolis. MN, pp. 183-84, must be provided. What aspects of this method were used in data generation?
-
- The registrant must explain the different test conditions (identified as IPBC Active (ai), [redacted] and how do these products differ from the product in question, Mold Proofer Paint), as this is not readily apparent from the submitted data. Are EPA Reg. Nos. [redacted] and [redacted] similar/identical to Mold Proofer Paint?
- Are the pictures/data tables reflective of fungal growth after 3 days? A close-up with for the condition [redacted] would be helpful.
- As the efficacy data was not generated under GLP (40 CFR 160), the registrant must provide deviations/rationales for missing GLP elements.
- The ATCC Number for *Aspergillus niger* must be provided.
- The labels claims are limited to fungicides which kill mold and mildew or mildewcides which kill mold and mildew.

VII LABEL RECOMMENDATIONS

1. The proposed label claims are unacceptable regarding the use of the product, Mold Proofer Paint, as a fungicide which kills mold and mildew (mildewcide) when applied to pre-cleaned, hard, nonporous surfaces. Resolution of the issues identified in the Conclusion section is required.

2. Bacteria must always be identified on the proposed label as "odor-causing bacteria".

3. Residual or prevention claims were not supported by the submitted efficacy data. These claims must be removed from the proposed label.

4. The ATSM D3273/74, "Standard Test Method for Resistance to Growth of Mold and the Standard Test Method for Evaluation Degree of Surface Disfigurement by Microbial Growth" are not Agency-approved methods. These claims must be removed from the proposed label.

5. Pre-cleaning instructions are required on the proposed label.

6. The term fungicide must be expanded to state against mold and mildew.

7. Several porous surfaces are included on the proposed label however the protocol is limited to hard, non-porous surfaces. Are the porous surfaces sealed (non-porous) following paint application?

PRIA 2 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

3/23/09

21 Day Screen Start Date: 5-16-11

Experts In-Processing Signature: MF HARRINGTON Date 5-17-11 Fee Paid: Yes ✓

Division management contacted on issues No_____Yes _____Date _____

EPA Reg. Number: 87469-R	EPA Receipt Date: 5-16-11

	Items for Review			Yes	No	N/A*
1	**Application Form** (EPA Form 8570-1)(link to form) signed & complete including package type			X		
2	**Confidential Statement of Formula** all boxes completed, form signed, and dated (EPA Form 8570-4) (Link to form)			X		
	a) All inerts (link to http://www.epa.gov/opprd001/inerts/), including fragrances, approved for the proposed uses (see Footnote A)	**yes** X	**no**			
3	**Certification with Respect to Citation of Data** (EPA Form 8570-34) (Link to form) completed and signed (N/A if 100% repack)			X		
	Certificate and data matrix consistent			X		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	**yes**	**no**			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	**Formulator's Exemption Statement** (EPA Form 8570-27) (Link to form) completed and signed (N/A if source is unregistered or applicant owns the technical)			X		
5	**Data Matrix** (EPA Form 8570-35) (Link to form) both internal and external copies (PR 98-5) (Link to PR 98-5) completed and signed (N/A if 100% repack)			X		
	a) Selective Method (Fee category experts use)	**yes** X	**no**			
	b) Cite-All (Fee category experts use)					
	c) Applicant owns all data (Fee category experts use)					
6	**5 Copies of Label (link to http://www.epa.gov/oppfead1/labeling/lrm/) (Electronic labels on CD are encouraged and guidance is available)(link to** http://www.epa.gov/pesticides/regulating/registering/submissions/index.htm#labels)			X		

7	**Is the data package consistent with PR Notice 86-5** (link to PRN 86-5)	X		
8	**Notice of Filing (link to http://www.epa.gov/pesticides/regulating/tolerance_petitions.htm) included with petitions (link to http://www.epa.gov/pesticides/regulating/tolerances.htm)**			X
9	**If applicable for conventional applications, reduced risk rationale (link to http://www.epa.gov/opprd001/workplan/reducedrisk.html)**			X
10	**Required Data (link to http://www.epa.gov/pesticides/regulating/data_requirements.htm) and/or data waivers. See Footnote C.**			
	a) List study (or studies) not included with application			

Comments:

There were initially 2 deficiences in the submission one of the studies had contradictory confidentiality markings and one of the inerts was not approved. The registrant was contacted 5/19/11, sent corrections for the study 5/20/11, and sent a revised CSF 5/31/11.

Inerts approved for non-food use.

Jacket passed.

RN 5/31/11 Studies passed 86-5 review. MRID 484825

* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses. If an unapproved inert is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses **even if a product is currently registered** by consulting the inert Web

site [link to http://www.epa.gov/opprd001/inerts/lists.html] and if the inert is not approved, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient.** Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at inertsbranch@epa.gov and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the Chief of Microbial Pesticides Branch [Link to http://www.epa.gov/oppbppd1/biopesticides/contacts_bppd.htm].

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information [link to http://www.epa.gov/opprd001/inerts/tips.pdf] must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

Unapproved Inerts Identified on CSFs

All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or

2. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R311, R312 or R313), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or

2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or

2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.

Re: Submission in Support of Mold Proofer Paint (87469-R)

Rachel Metz to: kutcel 05/19/2011 02:23 PM
Cc: Sree Nair

Dear Mr. Kutcel:
I am writing regarding your submission in support of Mold Proofer Paint (87469-R). We have found two issues with the submission:
1) The 3rd study (Fugicidal Test) has contradictory confidentiality markings on pages four through nine. Please resubmit either these pages with the confidentiality marking removed or the statement of non-confidentiality (page two of the study) with "This statement supersedes all other markings" added.

2) There is an issue with one of the inerts listed on the CSF. Please see the attached inert clearance status form for details.

Inert Status_MoldProoferPaint.doc

Thank you for your cooperation with resolving these issues.

Rachel Metz
Macfadden, EPA Contractor
2777 S. Crystal Drive, S4910B
Arlington, VA 22202
Ph: 703-305-6177
Fax: 703-305-5060

Script for Rejection Phone calls

Contact Name: Kevin Kutcel
Phone #: (410) 263-7305
Email: kutcel@zoominternet.net

First Call/Initials:	**Second Call/Initials:**
Date: 5/19/11	**Date:**
Time: 2 pm	**Time:**

This is Rachel Metz **, EPA contractor.**

I'm calling regarding your submission in support of
Mold Proofer Paint (87469-R).

We have found the following deficiencies regarding:
PR Notice 86.5: (Yes) **or No**

Volume/Study Title:
3rd (Efficacy) has contradicting confid. markings on pg 4-9

Volume/Study Title:

Volume/Study Title:

Additional volumes continued on back of page: Yes or No

Application Package: (Yes) **or No**

Inert issue - See firm

These deficiencies have been approved by EPA.
The corrections can be faxed to 703-305-5060/Attn: _____.

Second Call/Email:
If we do not receive the corrections by _____, we will process your submission, accordingly. Please direct all future calls and correspondence to the appropriate EPA Risk Manager.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

May 17, 2011

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

OPP Decision Number: D-449135
EPA File Symbol or Registration Number: 87469-R
Product Name: MOLD PROOFER PAINT
EPA Receipt Date: 16-May-2011
EPA Company Number: 87469
Company Name: BETTERBILT, LLC

KEVIN KUTCEL
KRK CONSULTING, INC.
BETTERBILT, LLC
5807 CHURCHILL WAY
MEDINA, OH 44256-

SUBJECT: Receipt of Application and 75% Small Business Waiver Request

Dear Registrant:

The Office of Pesticide Programs has received your application, 75% small business waiver request, and certification of payment. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: A540

NEW PRODUCT;NON-FAST TRACK;FIFRA SEC. 2(MM) USES;

Your request for waiver has been forwarded for review. You will be notified in writing when a determination is made regarding your request. If your waiver request is approved, the decision review time period will start on the date of approval. If your waiver request is denied, you will receive an invoice for the outstanding balance.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 308-6427.

Sincerely,
Teresa Downs
Front End Processing Staff
Information Technology & Resources Management Division

Fee for Service {896005}

This package includes the following

- (•) New Registration
- ( ) Amendment

☑ Studies? ☑ Fee Waiver?

☐ volpay % Reduction: 75

for Division

- (•) AD
- ( ) BPPD
- ( ) RD

Risk Mgr. 34

Receipt No. S- 896005

EPA File Symbol/Reg. No. 87469-R

Pin-Punch Date: 5/16/2011

☐ This item is NOT subject to FFS action.

Action Code:

Requested: A540

Granted: A540

Amount Due: $ 4631

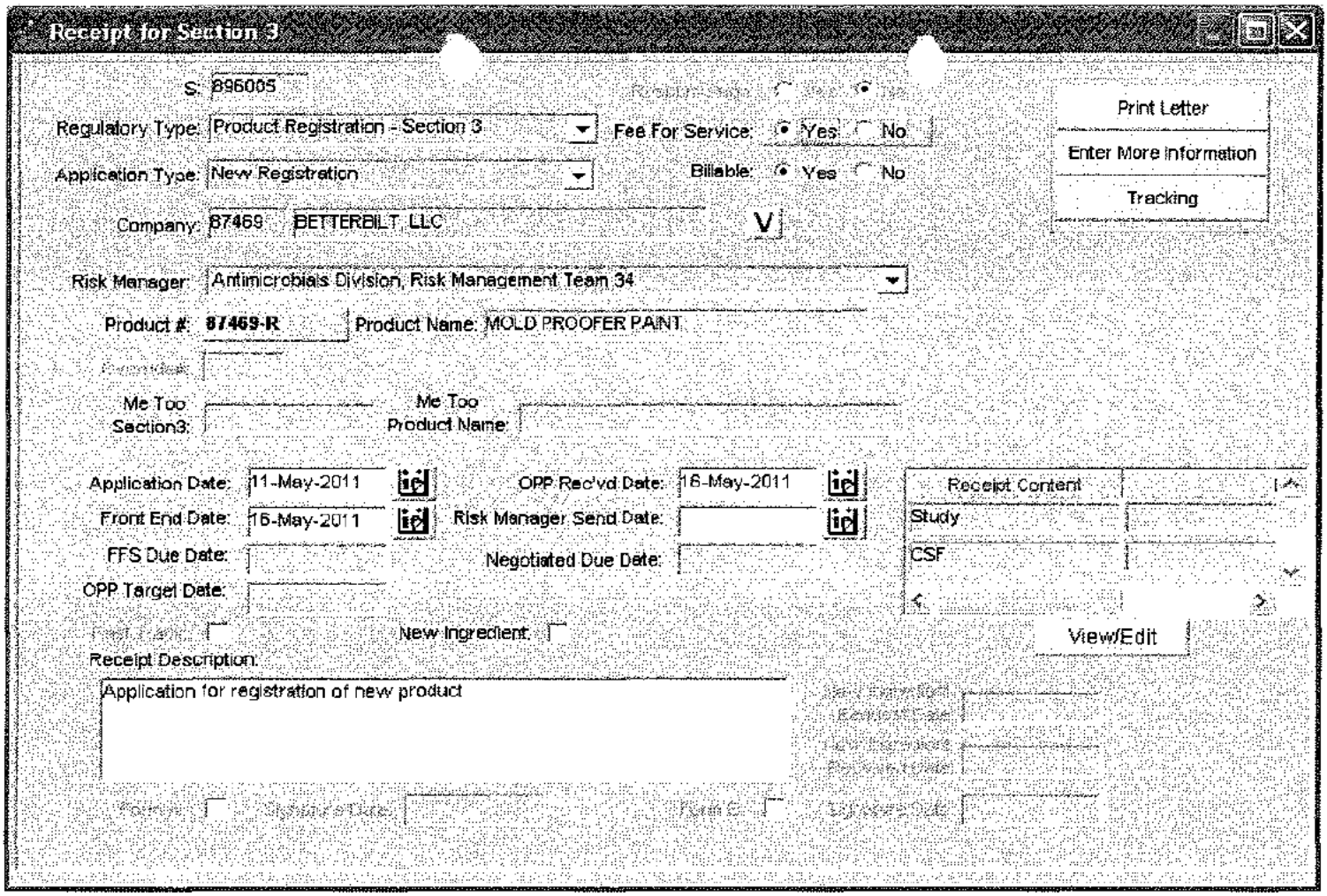
Parent/Child Decisions:

Tm B Approved for non-food use 5/13/11 KM

☒ Inert Cleared for Intended Use ☐ Uncleared Inert in Product

Reviewer: TOEM 2 Date: 05-12-2011

Remarks:


Receipt for Section 3
S: 896005
Regulatory Type: Product Registration - Section 3
Fee For Service: Yes No
Application Type: New Registration
Billable: Yes No
Company: 87469 BETTERBILT, LLC
Print Letter
Enter More Information
Tracking
Risk Manager: Antimicrobials Division, Risk Management Team 34
Product #: 87469-R
Product Name: MOLD PROOFER PAINT
Me Too Section3:
Me Too Product Name:
Application Date: 11-May-2011
OPP Rec'vd Date: 16-May-2011
Front End Date: 16-May-2011
Risk Manager Send Date:
FFS Due Date:
Negotiated Due Date:
OPP Target Date:
New Ingredient:
Receipt Content
Study
CSF
View/Edit
Receipt Description:
Application for registration of new product

FEE FOR SERVICE

Kevin Kutcel

From: <ross@seichemical.com>
To: "Bill Edwards" <WEdwards@FourStarChemical.com>
Cc: "Laura Lopez" <llopez@fourstarchemical.com>; "Kevin Kutcel" <kutcel@zoominternet.net>
Sent: Monday, March 07, 2011 5:39 PM
Subject: Fw: Pay.Gov Payment Confirmation

------Original Message------
From: paygovadmin@mail.doc.twai.gov
To: Ross Sklar
Subject: Pay.Gov Payment Confirmation
Sent: Mar 7, 2011 2:31 PM

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.

Your transaction has been successfully completed.

Transaction Summary

Application Name: PRIA Service Fees
Pay.gov Tracking ID: 252PC7Q9
Agency Tracking ID: 74181910346
Transaction Type: Sale
Transaction Date: Mar 7, 2011 5:31:08 PM

Account Holder Name: Ross Sklar
Transaction Amount: $1,158.00
Billing Address: 3137 East 26th St
City: Vernon
State/Province: CA
Zip/Postal Code: 90058
Country: USA
Card Type: Visa
Card Number: **********3689

Decision Number:
Registration Number:
Company Name: Betterbilt Chemical
Company Number: 87469
Action Code: A540

Four Star Chemical
Betterbilt Chemical
Seicoat Corporation
3137 East 26th Street
Vernon, CA 90058

Product ingredient source information may be entitled to confidential treatment

Please read instructions on reverse before completing form. Form Appr. OMB No. 2070-0060 Print Form

EPA United States Environmental Protection Agency Washington, DC 20460

☒ Registration ☐ Amendment ☐ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number: Betterbilt LLC / 87469-R
2. EPA Product Manager:
3. Proposed Classification: ☒ None ☐ Restricted
4. Company/Product (Name): Betterbilt LLC / Mold Proofer Paint
PM# 34
5. Name and Address of Applicant (Include ZIP Code)
Betterbilt Chemical LLC
3137 East 26th Street
Vernon, CA 90058
☐ Check if this is a new address
6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:
EPA Reg. No. _____
Product Name _____

Section - II

☐ Amendment - Explain below.
☐ Resubmission in response to Agency letter dated _____
☐ Notification - Explain below.
☐ Final printed labels in response to Agency letter dated _____
☐ "Me Too" Application.
☒ Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

This is a new registration for a coating containing 0.0063% of the active ingredient, 3-iodo-2-propynylbutylcarbamate that is registered with the US EPA as technical active ingredient (Reg. No. [redacted].

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
☐ Yes* ☒ No	☐ Yes ☒ No	☐ Yes ☐ No	☒ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
* Certification must be submitted	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information: ☒ Label ☐ Container
4. Size(s) Retail Container: 1, 5 gallon
5. Location of Label Directions: ☒ On Label ☐ On Labeling accompanying product
6. Manner in Which Label is Affixed to Product: ☒ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name	Title	Telephone No. (Include Area Code)
Kevin R. Kutcel	Consultant	440-263-7305

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

6. Date Application Received (Stamped)

2. Signature
3. Title: Consultant
4. Typed Name: Kevin R. Kutcel
5. Date: May 11, 2011

EPA Form 8570-1 (Rev. 6-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

Product ingredient source information may be entitled to confidential treatment

KRK Consulting LLC
5807 Churchill Way
Medina, OH 44256
Tel: 440-263-7305
E-mail: kevinkutcel@gmail.com

May 11, 2011

US EPA (REGFEE)
Office of Pesticide Programs
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: New Registration for Betterbilt LLC (EPA No. 87469-R)

Please accept the completed application for a new registration for the product, "Mold Proofer Paint." This is a new product registration for a coating that specifically is designed to kill mold and mildew fungi that would grow on the substrate that is being coated. The product contains one active ingredient. [redacted] which is a registered active ingredient by [redacted]. [redacted] has granted Betterbilt LLC access to all their studies that are on file with the EPA to support this active ingredient. The efficacy test that was performed followed the protocol that was provided by Mr. Dennis Edwards, Branch Chief, Regulatory Management, Antimicrobial Division. The application includes a complete set of product specific product chemistry.

Within this packet, the following information is included:
1. Receipt for payment (tracking number 74181910346) for a total of $1,158.00. This payment reflects a proposed action code "A540". Also attached is the completed application for the small business waiver along with supporting documentation.
2. Letter of authorization allowing KRK Consulting LLC to represent Betterbilt LLC in all matters related to the U.S. EPA.
3. Letter of authorization from [redacted] granting access to Betterbilt LLC for all studies on file with the US EPA relative to Reg. No. [redacted] pertaining to the registration of "Mold Proofer Paint."
4. Application for the Registration for "Mold Proofer Paint" that includes:
    a. Five (5) copies of proposed EPA Label with CD that contains pdf of proposed label.
    b. Form 8570-1 Application Form
    c. Form 8570-27 Formulator's Exemption
    c. Form 8570-34 Certification with Respect to Citation of Data
    d. Form 8570-4 Confidential Statement of Formula (2 pages)
    e. Form 8570-35 Data Matrices (6 pages)
4. Studies Enclosed Supporting Registration as stated on supplied Data Matrices.
    a. Three (3) copies of Product Chemistry, Subgroup A, 830 Series
    b. Three (3) copies of Product Chemistry, Subgroup B, 830 Series.
    c. Three (3) copies of Glass Slide Mildew Fungicidal Test, 810 series.

Your cooperation in processing this application in an expedient manner is greatly appreciated. Please call me at 440-263-7305 if you should have any questions.

Best Regards,

Kevin R. Kutcel,
Consultant for Betterbilt LLC

Form Approved OMB Nos. 2070-0060; 2070-0057; 2070-0107; 2070-0122; 2070-0164

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number Betterbilt LLC, 3137 East 26th Street, Vernon, CA 90058	EPA Registration Number/File Symbol 87469-R
Active Ingredient(s) and/or representative test compound(s) 3-iodo-2-propynylbutylcarbamate	Date May 11, 2011
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) Fungicide, moldicide	Product Name Mold Proofer Pain

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	☑ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☑ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses .

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature	Date	Typed or Printed Name and Title
	May 11, 2011	Kevin R. Kutcel - Consultant

Form Approved OMB No. 2070-0060

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date 5/11/2011	EPA Reg No./File Symbol 87469-R	Page 1 of 3
Applicant's/Registrant's Name & Address Betterbilt Chemical, 3137 East 26th Street, Vernon, CA 90058	Product Mold Proofer Paint	

Ingredient 3-iodo-2-propynylbutylcarbamate

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
810 series	Anon. (1981) Troysan Polyphase Anti-mildew WD-17.	84187	Troy Corporation	per	cite-all
870 series	Goodband, J.B.; Guidi, L.A. (1981) Acute Oral LD 50^	84188	Troy Corporation	per	cite-all
	Determination, Primary Eye Irritation, Primary Skin				
	Irritation, and Rabbit Skin CorrosionTests Performed on				
	Troysan Polyphase 17% WD.				
870.2400	Goodband, J.B.; Guidi, L.A. (1981) Primary Eye Irritation	91009	Troy Corporation	per	cite-all
	(FIFRA): Project No. 10782-1.				
870.2500	Goodband, J.B.; Guidi, L.A. (1981) Rabbit Skin Corrosion	91011	Troy Corporation	per	cite-all
	Project No. 10782-1.				
870.1200	Goodband, J. (1982) Acute Dermal Toxicity Study	105063	Troy Corporation	per	cite-all
	Performed on 17% Polyphase WD: Project No. 11100.				

Signature	Name and Title	Date
K Kutcel	Kevin R. Kutcel	05/11/2011

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

Agency Internal Use Copy

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Date 5/11/2011	EPA Reg No./File Symbol 87469-R	Page 2 of 3
Applicant's/Registrant's Name & Address Betterbilt Chemical, 3137 East 26th Street, Vernon, CA 90058	Product Mold Proofer Paint	

Ingredient 3-iodo-2-propynylbutylcarbamate

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.1100	Goodband, J. (1981) Acute Oral LD 50 Determination	150408	Troy Corporation	per	cite-all
	Primary Eye Ir ritation, Primary Skin Irritation				
	Rabbit Skin Corrosion Tests Performed				
	on Troysan Polyphase 17% WD: 46 p.				
870.1100	Rush, R. (1990) Acute Oral Toxicity Study in Rats with	42156501	Troy Corporation	per	cite-all
	Troysan Polyphase EC-17: 71 p.				
870.1200	Rush, R. (1990) Acute Dermal Toxicity Study in Rabbits	42156502	Troy Corporation	per	cite-all
	with Troysan Polyphase EC-17. 43 p.				
870.1300	Rush, R. (1990) Acute Inhalation Toxicity Study in Rats	42156503	Troy Corporation	per	cite-all
	with Troysan Polyphase EC-17: 69 p.				
870.2400	Rush, R. (1990) Primary Eye Irritation Study in Rabbits	42156504	Troy Corporation	per	cite-all
	with Troysan Polyphase EC-17: 27 p.				
870.2500	FitzGerald, G. (1991) Primary Dermal Irritation Study:	42156505	Troy Corporation	per	cite-all
	VPIV-4-PEC17 (Troysan Polyphase): 21 p.				

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	Kevin R. Kutcel	05/11/2011

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DATA MATRIX

Date 5/11/2011	EPA Reg No./File Symbol 87469-R	Page 3 of 3
Applicant's/Registrant's Name & Address Betterbilt Chemical, 3137 East 26th Street, Vernon, CA 90058	Product Mold Proofer Paint	

Ingredient 3-iodo-2-propynylbutylcarbamate

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2600	Rush, R. (1990) Dermal Sensitization Study in Guinea Pigs	42156506	Troy Corporation	per	cite-all
	Troysan Polyphase EC-17 with-Buehler Design. 31 p.				
830 series	Troy Corporation, Inc. (1998) Product Chemistry Data	44485201	Troy Corporation	per	cite-all
	Polyphase WD-17. 52 p.				
830 series	Troy Corporation, Inc. (1998) Product Chemistry Troysan	44485202	Troy Corporation	per	cite-all
	Polyhase (sic) WD-17: 19 p.				
870.1300	Wnorowski, G. (1997) Acute Inhalation Toxicity	44485204	Troy Corporation	per	cite-all
	Defined LC50 (in Rats): Troysan Polyphase EC17. 52 p.				
870.1200	Moore, G. (2000) Acute Dermal Toxicity Study in Rabbits-	45290201	Troy Corporation	per	cite-all
	Limit Test: Troysan Polyphase EC17. 27 p.				
810 series	Hansen, Kurt (2010) Glass Slide Mildew Fungicidal Test		Betterbilt Chemicals	own	
	Method. Prepared by Troy Corp. Report No. U100248-2.				
830 series	Product Chemistry, Subgroup A.		Betterbilt Chemicals	own	
830 series	Product Chemistry, Subgroup B		Betterbilt Chemicals	own	

Signature	Name and Title	Date
	Kevin R. Kutcel	05/11/2011

MOLD PROOFER® PAINT

Fungicidal Protective Coating

Active Ingredients:

3-iodo-2-propynylbutylcarbamate	0.0063%
Inert Ingredients	99.9937%
TOTAL	100.0000%

This contains 63 ppm of 3-iodo-2-propynylbutylcarbamate per gallon.

KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID	
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call poison control center or doctor for treatment advice.
IF ON SKIN:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

EPA Reg. No. 87469-R
EPA Est. No. xxxxx-xx-xxxx

Manufactured by: Betterbilt Chemical, 3137 East 26th Street, Vernon, CA 90058

Net Contents: 1 gallon, 5 gallon

The Mold Proofer Paint is a water-based fungicidal protective coating that kills microbiological growth on the surface and also prevents further growth of mold, mildew, fungi, moss and bacteria on the film. The Mold Proofer will also kill odor-causing bacteria on the surface. The Mold Proofer has leading-edge adhesion and high-hide properties to cover residual microbiological stains. The Mold Proofer contains an EPA registered antimicrobial. *Independent Testing exceeds the performance requirements of ASTM D3273/74 Standard Test Method for Resistance to Growth of Mold and Standard test method for Evaluating Degree of Surface Disfigurement by Microbial Growth. See Product Data and Material Safety Data Sheets before application. Test data available at www.seichemical.com.

The Mold Proofer is recommended for use on all wall surfaces such as wood, wallboard, drywall, inside wall cavities, plaster, sheetrock, stucco, concrete, masonry, metal, aluminum, primed surfaces and previously painted substrates.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Check with all local, state and federal regulations prior to using or working or using this product. Fix the source of any moisture problems prior to remediation. Do not attempt to salvage damaged or structurally unsound building materials. Consult a qualified professional to perform a thorough inspection and supply work specifications appropriate to the project.

Mold, Mildew, Fungi, Moss and Bacteria Control:
Remove gross filth, heavy soil, overgrowth or loose material mechanically or by hand before application. For heavily soiled areas a pre-cleaning step is required. Apply The Mold Proofer generously and uniformly and ensure that the surface is completely coated. Allow to air dry. Clean and inspect regularly for damage to the coating film and reapply if the cured film becomes damaged. The Mold Proofer will kill all existing visible microbiological life on the surface and then will prevent any further growth of microbiological life on the surface of the film.

Surface Preparation & Application:
Surfaces must be clean and free of microbiological life forms and loose materials to ensure long-term adhesion and performance. If mold or mildew needs to be removed prior to application remove with a mildew remover that is EPA registered and let dry. Eye, skin and NOISH approved respiratory protection is highly recommended. Patch surface irregularities with appropriate patching compounds.

The Mold Proofer is a ready to use product. Mix thoroughly, preferably with a drill mixer for a minimum of 3 minutes. Do not mix with other coatings or chemicals and do not thin. The Mold Proofer is self-priming over bare gypsum, drywall, composition board, ceiling tile and concrete. Do not apply when air or surface temperature is below 50F or when drying conditions are poor. Use adequate ventilation during application.

Use a brush, roller or spray to apply. Dry time at 70F / 50% relative humidity is approximately 2 hours and will fully cure in 4-5 hours. A second coat is required for long-term protection and a third coat can be applied in applications or environments of very high humidity. Recoat time is 2 hours. Application at lower temperatures or in high humidity will increase dry times.

Apply The Mold Proofer Paint with a brush, roller or airless sprayer. If using airless spray systems use a .017 - .019 tip.

Coverage:
Smooth Surfaces: 200-300 sq. ft. per gal.
Porous Surfaces: 75-200 sq. ft. per gal.
If spray applying divide the coverage rates in half.

KEEP PRODUCT FROM FREEZING

Clean Up:
Clean all tools and drippings with warm soapy water before coating dries.

Health & Safety:
If spilled, contain spilled material and remove with inert absorbent.
Dispose of absorbent, container and unused product in accordance with all current Federal, state and local regulations.

Less than 50 grams/ Liter V.O.C.
(Less than 150 grams/ Liter V.O.C.)

The information and data contained herein are correct to the best of our knowledge and tests. We recommend that adequate tests be made by the purchaser to determine if a product is suitable for the intended purpose of use.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

For Residential Use
Container Disposal: Nonrefillable container. Do not reuse or refill this container. Securely wrap original container in several layers of newspaper and discard in trash or offer for recycling if available. Pesticide may be acutely hazardous. Improper disposal of excess pesticide, spray, mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance."

Proposition 65 Warning: This product contains a chemical(s) known to the State of California to cause cancer.

In case of emergency call 888-888-8888. Have the product container/label with you when calling Poison Control Center, doctor or going for treatment.

PRECAUTIONARY STATEMENTS

HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Harmful if swallowed or absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid contact with the eyes and clothing. Avoid breathing spray mist. Remove contaminated clothing and wash clothes before reuse. When applying with a sprayer the applicator should wear a dust/mist filtering respirator (MSHA/NIOSH approved number prefix TC-21C) or a NIOSH approved respirator with any R,P,N, or HE filter.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove personal protective equipment immediately after handing this product. Wash outside of gloves before removing. As soon as possible wash thoroughly.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other water unless in accord with the requirements of a National Pollution Discharger Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

IMPORTANT:
In lieu of all other warranties or guarantees, expressed or implied by contract or law, manufacturers liability is hereby limited, at its option, to replacement of this merchandise if found to be defective upon inspection by representative, or refund of purchase price minus restocking fee upon proof of purchase. Manufacturer shall not be liable for any representations, warranties, (expressed or implied) made by any seller of this merchandise, by any of its agents, representatives or employees, or by any applicator regarding the product contained herein. In no case will manufacturer reimburse any labor cost or be responsible for damage or replacement of substrates to which this product is applied.

BETTERBILT CHEMICALS ACCEPTANCE OF ANY ORDERS FOR THIS PRODUCT IS EXPRESSLY CONDITIONAL UPON THE PURCHASE'S ASSENT TO THE TERMS OF THE APPLICABLE PRODUCT DATA SHEET AND INVOICE.

Betterbilt Chemical
3137 East 26th Street
Vernon, CA 90058

Patent Pending

MOLD PROOFER is a registered trademark of Betterbilt Chemical

MOLD PROOFER® PAINT

Fungicidal Protective Coating

Active Ingredients:
3-iodo-2-propynylbutylcarbamate 0.0063%
Inert Ingredients.....99.9937%
TOTAL.....100.0000%

This contains 63 ppm of 3-iodo-2-propynylbutylcarbamate per gallon.

KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID	
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call poison control center or doctor for treatment advice.
IF ON SKIN:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

EPA Reg. No. 87469-R
EPA Est. No. xxxxx-xx-xxxx

Manufactured by: Betterbilt Chemical, 3137 East 26th Street, Vernon, CA 90058

Net Contents: 1 gallon, 5 gallon

The Mold Proofer Paint is a water-based fungicidal protective coating that kills microbiological growth on the surface and also prevents further growth of mold, mildew, fungi, moss and bacteria on the film. The Mold Proofer will also kill odor-causing bacteria on the surface. The Mold Proofer has leading-edge adhesion and high-hide properties to cover residual microbiological stains. The Mold Proofer contains an EPA registered antimicrobial. *Independent Testing exceeds the performance requirements of ASTM D3273/74 Standard Test Method for Resistance to Growth of Mold and Standard test method for Evaluating Degree of Surface Disfigurement by Microbial Growth. See Product Data and Material Safety Data Sheets before application. Test data available at www.seichemical.com.

The Mold Proofer is recommended for use on all wall surfaces such as wood, wallboard, drywall, inside wall cavities, plaster, sheetrock, stucco, concrete, masonry, metal, aluminum, primed surfaces and previously painted substrates.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Check with all local, state and federal regulations prior to using or working or using this product. Fix the source of any moisture problems prior to remediation. Do not attempt to salvage damaged or structurally unsound building materials. Consult a qualified professional to perform a thorough inspection and supply work specifications appropriate to the project.

Mold, Mildew, Fungi, Moss and Bacteria Control:
Remove gross filth, heavy soil, overgrowth or loose material mechanically or by hand before application. For heavily soiled areas a pre-cleaning step is required. Apply The Mold Proofer generously and uniformly and ensure that the surface is completely coated. Allow to air dry. Clean and inspect regularly for damage to the coating film and reapply if the cured film becomes damaged. The Mold Proofer will kill all existing visible microbiological life on the surface and then will prevent any further growth of microbiological life on the surface of the film.

Surface Preparation & Application:
Surfaces must be clean and free of microbiological life forms and loose materials to ensure long-term adhesion and performance. If mold or mildew needs to be removed prior to application remove with a mildew remover that is EPA registered and let dry. Eye, skin and NOISH approved respiratory protection is highly recommended. Patch surface irregularities with appropriate patching compounds.

The Mold Proofer is a ready to use product. Mix thoroughly, preferably with a drill mixer for a minimum of 3 minutes. Do not mix with other coatings or chemicals and do not thin. The Mold Proofer is self-priming over bare gypsum, drywall, composition board, ceiling tile and concrete. Do not apply when air or surface temperature is below 50F or when drying conditions are poor. Use adequate ventilation during application.

Use a brush, roller or spray to apply. Dry time at 70F / 50% relative humidity is approximately 2 hours and will fully cure in 4-5 hours. A second coat is required for long-term protection and a third coat can be applied in applications or environments of very high humidity. Recoat time is 2 hours. Application at lower temperatures or in high humidity will increase dry times.

Apply The Mold Proofer Paint with a brush, roller or airless sprayer. If using airless spray systems use a .017 - .019 tip.

Coverage:
Smooth Surfaces: 200-300 sq. ft. per gal.
Porous Surfaces: 75-200 sq. ft. per gal.
If spray applying divide the coverage rates in half.

KEEP PRODUCT FROM FREEZING

Clean Up:
Clean all tools and drippings with warm soapy water before coating dries.

Health & Safety:
If spilled, contain spilled material and remove with inert absorbent.
Dispose of absorbent, container and unused product in accordance with all current Federal, state and local regulations.

Less than 50 grams/ Liter V.O.C.
(Less than 150 grams/ Liter V.O.C.)

The information and data contained herein are correct to the best of our knowledge and tests. We recommend that adequate tests be made by the purchaser to determine if a product is suitable for the intended purpose of use.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

For Residential Use
Container Disposal: Nonrefillable container. Do not reuse or refill this container. Securely wrap original container in several layers of newspaper and discard in trash or offer for recycling if available. Pesticide may be acutely hazardous. Improper disposal of excess pesticide, spray, mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance."

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IMPORTANT:
In lieu of all other warranties or guarantees, expressed or implied by contract or law, manufacturers liability is hereby limited, at its option, to replacement of this merchandise if found to be defective upon inspection by representative, or refund of purchase price minus restocking fee upon proof of purchase. Manufacturer shall not be liable for any representations, warranties, (expressed or implied) made by any seller of this merchandise, by any of its agents, representatives or employees, or by any applicator regarding the product contained herein. In no case will manufacturer reimburse any labor cost or be responsible for damage or replacement of substrates to which this product is applied.

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Betterbilt Chemical
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Patent Pending

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EPA Reg. No. 87469-R
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Coverage:
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Porous Surfaces: 75-200 sq. ft. per gal.
If spray applying divide the coverage rates in half.

KEEP PRODUCT FROM FREEZING

Clean Up:
Clean all tools and drippings with warm soapy water before coating dries.

Health & Safety:
If spilled, contain spilled material and remove with inert absorbent.
Dispose of absorbent, container and unused product in accordance with all current Federal, state and local regulations.

Less than 50 grams/ Liter V.O.C.
(Less than 150 grams/ Liter V.O.C.)

The information and data contained herein are correct to the best of our knowledge and tests. We recommend that adequate tests be made by the purchaser to determine if a product is suitable for the intended purpose of use.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in original, tightly closed containers below 30°C (86°F) and above 0°C (32°F) in a secure area inaccessible to children and away from food or feed.

For Residential Use
Container Disposal: Nonrefillable container. Do not reuse or refill this container. Securely wrap original container in several layers of newspaper and discard in trash or offer for recycling if available. Pesticide may be acutely hazardous. Improper disposal of excess pesticide, spray, mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance."

Proposition 65 Warning: This product contains a chemical(s) known to the State of California to cause cancer.

In case of emergency call 888-888-8888. Have the product container/label with you when calling Poison Control Center, doctor or going for treatment.

PRECAUTIONARY STATEMENTS

HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Harmful if swallowed or absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid contact with the eyes and clothing. Avoid breathing spray mist. Remove contaminated clothing and wash clothes before reuse. When applying with a sprayer the applicator should wear a dust/mist filtering respirator (MSHA/NIOSH approved number prefix TC-21C) or a NIOSH approved respirator with any R,P,N, or HE filter.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove personal protective equipment immediately after handing this product. Wash outside of gloves before removing. As soon as possible wash thoroughly.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other water unless in accord with the requirements of a National Pollution Discharger Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

IMPORTANT:
In lieu of all other warranties or guarantees, expressed or implied by contract or law, manufacturers liability is hereby limited, at its option, to replacement of this merchandise if found to be defective upon inspection by representative, or refund of purchase price minus restocking fee upon proof of purchase. Manufacturer shall not be liable for any representations, warranties, (expressed or implied) made by any seller of this merchandise, by any of its agents, representatives or employees, or by any applicator regarding the product contained herein. In no case will manufacturer reimburse any labor cost or be responsible for damage or replacement of substrates to which this product is applied.

BETTERBILT CHEMICALS ACCEPTANCE OF ANY ORDERS FOR THIS PRODUCT IS EXPRESSLY CONDITIONAL UPON THE PURCHASE'S ASSENT TO THE TERMS OF THE APPLICABLE PRODUCT DATA SHEET AND INVOICE.

Betterbilt Chemical
3137 East 26th Street
Vernon, CA 90058

Patent Pending

MOLD PROOFER is a registered trademark of Betterbilt Chemical

Betterbilt LLC
3137 E. 26TH ST.
VERNON, CA 90058

April 29, 2011

U.S. Environmental Protection Agency
Office of Pesticide Programs (COADR)
Document Processing Desk (7504P)
One Potomac Yard – Room S4900
2777 S. Crystal Drive
Arlington, VA 22202

RE: Authorization for Representation / Agent Status

Pursuant to 40 CFR 152.50(b)(3), we hereby designate Kevin Kutcel of KRK Consulting LLC as an Authorized Agent to act in behalf of Betterbilt Chemical LLC with respect to all registration matters that may come before the Agency. The address of record for all matters related to FIFRA will be:

Betterbilt LLC
c/o Kevin Kutcel
KRK Consulting LLC
5807 Churchill Way
Medina, OH 44256
Contact: Kevin Kutcel - Tel. 440-263-7305

This authorization will remain valid until further notice is given by either Betterbilt Chemical LLC or KRK Consulting LLC.

If you have any questions, please contact KRK Consulting LLC at 440-263-7305.

Sincerely,

Mr. Ross Sklar

Cc: Kevin Kutcel – KRK Consulting LLC

Product ingredient source information may be entitled to confidential treatment

Pages 77-82 *Confidential Statement of Formula may be entitled to confidential treatment*